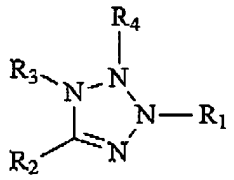
IN THE CLAIMS:

Please find a listing of the claims below, with the statuses of the claims shown in parentheses. This listing will replace all prior versions, and listings, of claims in the present application.

8. [Original] A molecular system configured between a pair of electrodes, said molecular system including at least one organic non-polymeric molecule that changes color when oxidized or reduced by an electric current.

9. [Original] The molecular system of Claim 8 wherein said organic non-polymeric molecule comprises a substituted tetrazole.

10. [Original] The molecular system of Claim 9 wherein said substituted tetrazole is represented by the formula

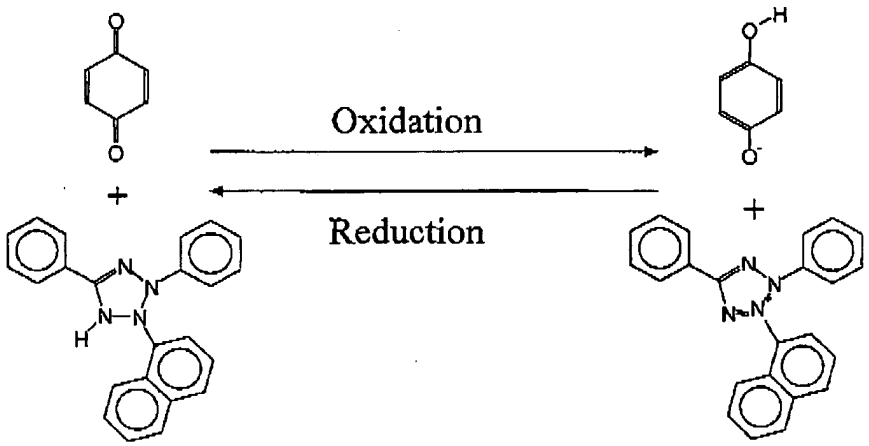


where R_1, R_2, R_3, and R_4 are independently H, alkyls, or aryls and the ring carbon is in the 3-position.

11. [Original] The molecular system of Claim 10 wherein any two of R_1, R_2, R_3, and R_4 are alkyls and/or aryls, and the remainder hydrogen.

12. [Original] The molecular system of Claim 10 wherein the ring carbon is in the 2-position.

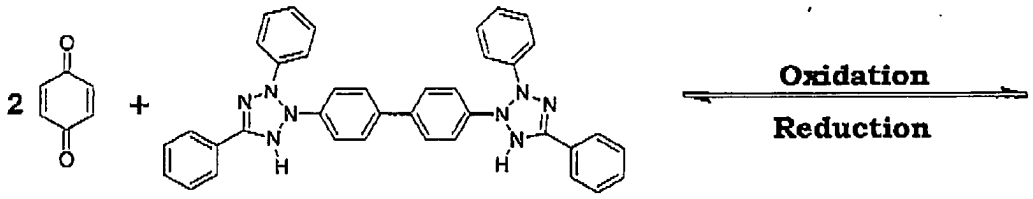
13. [Original] The molecular system of Claim 10 wherein said molecular system comprises:



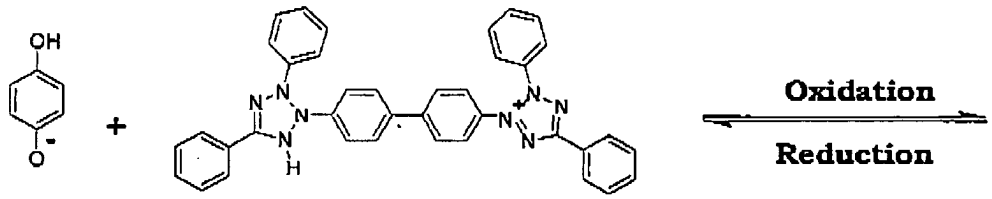
(I) (II)

wherein (I) is purple and has a $\Delta E_{HOMO/LUMO} = 2$ eV and wherein (II) is colorless and has a $\Delta E_{HOMO/LUMO} > 3.5$ eV.

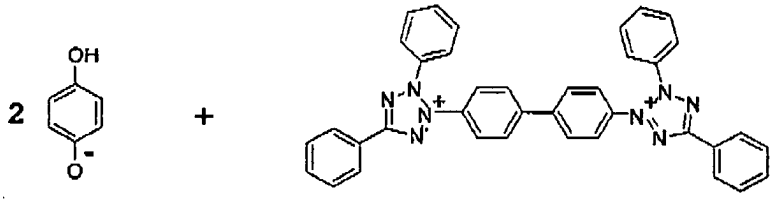
14. [Original] The molecular system of Claim 10 wherein said molecular system comprises:



Blue **ΔE (HOMO/LUMO) = 1.85 eV**



Magenta **ΔE (HOMO/LUMO) = 2.35 eV**



Colorless **ΔE (HOMO/LUMO) > 3.5 eV**

wherein (III) is blue and as a $\Delta E_{HOMO/LUMO}$ = 1.85 eV, wherein (IV) is magenta and has a $\Delta E_{HOMO/LUMO}$ = 2.35 eV, and wherein (V) is colorless and has a $\Delta E_{HOMO/LUMO}$ > 3.5 eV.